the country by persons who make this a regular husiness. Mare unseaund meat, according to the inspectors, is found in Newgate then in any other murket, solely because mere cauntry meat is sont there. But there are parsons well known in the Lenden trade, who make it their husiness to dispase privately of ment which could not be expessed aponly in any market.

"As far tha distribution of this meat, thara is ne doubt that it is purchased after regular market heurs, hy tradesmen who retail it la tha lahouring classes late in the evening, in the suburbs of what are called law neighbourhoods. Much meat is said by gaslight which cauld scarcally he expased in broad day-

light. "Illness produced by it.—We must now touch upon the impertant subject of the ill-effects of unsound meat. These are twofold. In the first place, the consumer is robbed of his fair share of neurishment; for it is noterious that upon the first and wasles in cooking to second-rate and unseund meat cannot stand the fire, and wasles in cooking to an extraordiaary degree. Thus it is the mest extravagant kind of feed, and furnishes cae example among tha many, that the paarest peapla always pay

most dearly far ovarything.

"In the next place, there can ha ne doubt but that the use of diseased meat may be a specific cause of illness. We need scarcely remind you that the eating of measly park, and af ill-cooked animal faod in general, is naloriausly a causa of tapowarm, and af various farms of hydatid that infest the human subject. Instances have came undar the netice of Dr. Gibben, Dr. Challice, subject. Instances have came under the notice of Dr. Gibben, Dr. Challice, and other members of the cammittee, af synaptems of paisaning arising from tha use of unsound meat partially cooked. It appears to ha almost established that, in must case, pralanged hailing deprives it af any active poisanans properties; and it is said that the fiesh of glandered harses, after heing heiled, can be handled and eatan with impunity; but reasting and frying are far less efficient means of subjecting fiesh tharoughly to the purifying influence of heat.

"Wa may alluda in passing to the overfed condition in which cattle are commanly killed at Christmas. Dr. Druilt has seen soveral instances af illness fram eating thet kind af moat, but it is matter of gratification that excessive and unnatural fatness seems naw to ha less cultivated by breeders af aattle.

"Your cammittee may abserve that, although it may be difficult to prove it

"Your canmittee may abserve that, although it may be difficult to prove it by actual cases, they have no doubt that unwhalesame meat is an eause amang many, at the debility and eachexies, the peverty of blood and intractable maladies of the paor who flack to the dispansarias and parachial medical officers, and especially of diarrhose during hat weather.

"But your committoo feel that it is a question which must be argued an far highar graund than that af speaial ill consequences. They believe that public decensy damends that a slop he put, as far as possible, ta lhe sale af tha flesh af diseased animals, and of those which have died a natural death. They appoal la that highest and best sanitary code can lained in the law at Masse (Leviticus, xi. 39, and xviii. 15), which they would willingly sea observed at the present day."—Med. Times and Gaz., Aug. 30, 1856.

MEDICAL JURISPRUDENCE AND TOXICOLOGY.

62. Case of Phisoning by Chloreform taken internally. By James Spenes, Esq.—On the 19th of May last, at a quarter past ton P. M., I was called to see A. B.—, aged twenty-eno, one of the female servants of this hospital, who, I was informed, had twenty minutes praviously swallowed twe ounces of pure chloreform. I found her lying in bed, half dressed, in a state of perfect unconsciousness (apparently in a profound sleep), from which she could not be roused. Her breath did not smell ef chloreform. Pupils very much centracted; cenjunctiva quite insaasihle; bedy of normal temperature; respiration tranquil and regular; pulse 78, soft and talerably full; na cangestion of face. I immediately eardered sinapisms to be applied to the extremities and over the enforstrium. and erdered sinapisms to be applied to the extremitics and ever the epigastrium, and,

having secured the able assistance of my colleague, Dr. Thorburn, proceeded to evacuate the stomach by the stomach pump, it being impossible to make her swallow an ometic. A delay of nearly ten minutes occurred before the stomach pump was precured. When it was applied, the motters ovecuated had the excessively contracted state of the pupils. About half an owner of mustard was introduced into the stomach, which was ngain emptied, and then a drachm of aromatic spirit of ammonia, with one ounce of brandy, administered by means of the stomach pump. Some feeble attempts at vomiting ensued, and the pupils become fully dilated, and continued so for some minutes, but still continued quite immovable when exposed to a strong light. At the same time the beats of the pulse and number of respirations slightly increased in frequoncy, but shortly after fell below their provious standard. A powerfully stimulating enema was now administored, and, after the lapse of ten minutes, respiration becoming slow and stertorous, the pulso at the same time sensibly flagging, and the faco becoming livid and congested, galvanism was resorted to, a free circulation of air being kopt up around the putient, and her tongue held forward by a pair of catch forcops to prevent closure of the gluttis. The number of respirations, however, continued to decrease, falling so low as seven in the minute, and, eccordingly, an additional pair of plates were noted to the galvanic battery, greatly increasing its strongth and efficiency, while enemata of bect-tea and brandy were administered frequently. Dr. William Gairdner, one of the visiting physicians to the hospital, had been sont for, and arrived about twenty minutes past eleven, P. M. He recommended the administration of a largo black draught, which was done by means of the stemach-pump. This produced severe retching and allompts to vemit, during which lie patient was repeatedly alloost usphysiated. Keeping up artificial respiration with the aid of galvanism was now evidently our only resource, and this was continued, with occasional short Intermissions, for nearly two hours. Stimulating enemata with decisional snort intermissions, for nearly two noires. Stimmating endmate were given every laif hour, and warmli applied to the extremities, which became excessively cold. Everything, however, appeared of no avail, and respiration fell to two per minute; this pulse at the wrist became imporceptible, while the face and neek were perfectly livid. At one time, indeed, breathing ceased altogether for nearly two minutes, and the jaw fell. The remedial measures were, however, persevered in, and in about half an hour we had the gratification of porceiving some signs of omendment. Her pulse gradually gained in strength, while her breathing became less embarrassed, her breath new smelling strongly of chloroform.—Ilaff-past two P. M. Pupils became widely dilated, the sensibility of the conjunctiva roturning, and the lividity of the fuse of the conjunctiva roturning, and the patient will represent a property of the sensibility of the conjunctiva roturning, and the patient will represent a property of the sensibility of the sensib still remained unconscious, all attempts to rouse her being unavailing.—Three A. M. Bowols very freely nurged; pulse 94, gaining strongth; respiration 28 per minulo; the extremities have recovered their natural temperature.—Halfpast three A. M. Consciousness slowly returning.—Four A. M. For the first time the patient answered when addressed, and of her uwa accord opened her eyes. The white of agg beat up with mucilage and warm milk was now cau-

tiously administered, and attendants were directed to watch her carefully.

May 20th.—Ton A. M. Perfectly sensible; pulse 100, soft; respiration unombarrassed, and not hurried in any marked degree; complains of general pain in abdomen, of thirst, and great nausen; tongue moist, but is considerably swollen and very painful. Het femontotions upplied over abdomen, and sho was ordered to have five minims of the turn of opium, every three hours, in half on ounce of muoliage. Has not passed any urino sines last night; bladder empty.—Evening. Tengus moist, and still extramsly painful; pulse 120, soft and regular; general pain over abdomen; has been severely purged, and a considerable quantity of blood passed by stool; urino passed fresly; complains of a dull aching paia across the loins. To centiaus the fomentations, have a starch onsume containing half a drachm of tiacture of opium, and to swallow rices of its containing.

pieces of ico occasionally.
21st.—No return of the diarrhoa; slopt a little during the night; pulse 132, soft; tongue furred; thirst excessive; pain is now entirely referred to the onigastrium, and is increused by pressure, which else induced a tendency to remit; feels drowsy, and pupils are elightly controcted; urine passed obundantly. To opply twelve leeches to the epigastrium and a sinapism along the spino—Evening. Much relioved; pulse 130; tonguo moist; less drewsy, and free frem nauseo; diarrhem has recurred, but not severely. To repeat the starch and opium oncom.

22d.—Greatly better; pulse 100; complains morely of a general feeling of sereness; has taken a little beeften, which was retained in the stomach.

23d .- Doing well; pulse 90, soft.

25th.—Is able to sit up, and the fellowing day returned to her work.

I have communicated the particular of this case from its great interest, being, as far as I am awore, the only one on record of poisoning by chloroform odministered internelly. The only other case I know of its occurrence happened also in this hospital, some years ege, when a patient, having surreptitiously get possession of n bettle of obloroform, swallowed (if . remember rightly) the enormous quantity of eix ounces. The man recovered from the immediate effects of the poison under the ueo of stimuli and galvanism, but died in great agony, within forty-eight hours, with symptoms of acute gastritis. When first called to the present case, I ebould certainly have thought it a case of poisoning from epium had I not been shown the bottle which had contained the chloreform, the centracted state of the pupils, coupled with the patient's complete insensibility, strengly recembling the offects produced by the forunce drug. The diminution of the frequency of respiration, however, wes not proportionate to the amount of stuper. The indications for treatment were oridently to sustain the flagging vital power by etimulants and galvanism; but I am doubtful of the propriety in such cess of edministering alcoholic stimuli, which might tend to aggravate the symptoms; end, should I ever meet with a similar case, I should trust more to the proporations of ommenio, os we are, I thick, justified in supposing that chloroform, to a certain extent at least, acts by cousing an excess of carbon in the blood, which would be still further increased by the administration of any form of alcohol. In foot, the patient's condition was precisely that of extreme drunkenness. It is worthy of notice that, although certainly not more than forty minutes elapsed from the time the cbloreform was swallowed till the stomoch was evacuated by the stomach pump, no smell of eliloroform was oppreciable in the contents of the stomacli. This could have arisen only from extremely rapid absorption of the poison, or from ite having quickly passed into the emall intestines, and been thonce absorbed more gradually. The latter supposition is faveured by the fact that a strong odour of chloroform was perceived in the patient'e breath when she begun to rally from its effects, nearly four hours subsequently to its administration, although it could not be detected before. It was from a consideration of this kind that Dr. Geirdner prescribed an active eathertie, in hopes of emptying the intestines of their noxious contents. It is still a disputed point whether the action of chloroform on the nervous centres affects primarily the respiratory or circulatory systeme. The former is maintained by Mr. Bickersteth, of Liverpool, who has supported his orgaments by several interesting and carefully conducted experiments, while, in the case of death from inhalation of chloroconducted experiments, while, in the case of about Arona Arona the forest before the form recorded by Dr. Dunsmure, the heart appeared to case to heat before the respiratory mercments were suspended; and a similar observation was made in the case Intely published by Dr. Mackonzio, of Kelso. In the case before us, the heart and lungs seemed to flag part passu—certainly the radial pulse disappeared before respiration was entirely arrested, but unfortunately at the moment it was not observed if the heart had likewise stepped.

The successful result of this case may serve to encourage medical men to porsevere, even against hope, under similar circumstances, in continuing their exertions. Mr. Lowe, two or three yeers ago, published a case of inhalation in which respiration and the beart's action were arrested for fully four minutes when under continued ortificial respiration; the pulse first slowly reappeared, followed by a return of the natural respiratory movemente.

In cases, however, where chlereform has been swallowed, it is not only the immediate effects of the drug that we have to fear, and this is well exemplified

in the instance of the patient already quoted, who died from the subsequent inflammation set up. Fortunately, in the present case, the symptoms of the secondary danger were never very severe, and were casely controlled by mild romedies .- Lancet, Aug. 9th, 1856.

63. Symptoms and Post-morlem appearances produced by Poisonous Doses of Strychnia. Drs. Lawrie and Cowan rend before the Modico-Chirurgical Suciety of Glasgow (June 10th, 1856) n very interesting account of n esse of poisoning by stryclinin, and the results of experiments which they had made on inforce animals, with a view of dotormining the symptems and post-mortem appearances produced by poisonous doses of that drug. (See Glasgow Medical Journal, July, 1856, p. 162.)

As the subject is one which has lotely given rise to much discussion, we shall give from the report of the proceedings of the meeting (Glasgow Med., Journ., July, 1856, p. 233 et seq.) the principal points of interest in the paper, with some of the remarks of the various speakers.

Dr. Lawrio stated that although the obesical detection of stryolinine formed no part of their inquiry, that department of the subject had not been altegether noglected. They had sent two dogs to Dr. Anderson and one to Dr. Penny, each poisoned with a quarter of n grain of stryoliniae, and, in all of the sto-machs, the most unequivecal svidence of the presence of stryohains was afforded by all of the tests employed. Dr. Andoreon found traces of it in three of the livers.\(^1\) Dr. Easton bad kindly examined urino voided by one of the dogs while under the influence of chloroform, and had, with the greatest care and cortainty, dlecovered the presence of strychnine. This was a most important fact in coveral points of view; it showed the great advantage to be derived. from examining this exerction in all cases of poisoning by strychnine. It far-ther showed the most probable manner in which chloroform arrects the action of etrychniae. It occurred to us that thie interesting fact might depend on the inhalation of chloroform euspending the nhasorption of the etrychnine, and, if eo, it would not be found in the exerctions. Dr. Easten's experiment up-ects this theory, and makes it probable that the effects of the two poisone are physiologically antagonistic, and that the action of oblicoform, boing the more powerful, keeps the strychnine at buy so long us the effects of the inhalation continue. It also encourages the hope that if the ialulation were possible of a sufficiently long period, the strychalne might be entirely eliminated without exhibiting oven its mildest physiological effects.

The diagnosis of etrychnine poisoning and tetanus is a subject of great importance. Before the present inquiry was commonced, he (Dr. L.) had little doubt that the state of the jaw would be in a great measure diagnostic. The results of their experiments had confirmed this suspicion; for although it was true that, during the violence of the paroxysm, the jaw is epasmedically, even true that, during the violence of the paroxysm, the jaw is epasmedically, even firmly eleved, the moment relaxation occurs it can be easily and widely opened. Indeed, the animal generally lice with it open. This is not the case with totanus. The horse that get 58 grains of stryohnine illustrated this flot admirably. After 48 grains had been exhibited, and while he was powerfully under their influence, his mouth was widely opened, his tengue laid held of, and tan grains in solution were, with the greatest ease, poured ever his threat from a common been hettle. In no case of tatanus that he had seen could this have possibly been done. It so happened that he had that day seen two cases which illustrated still further this subject. The one were case of traumatic tetanus in n man aged fifty, the other of idiopathic episthetones in an infant. His mind being full of the subject, he had carofully mads the following chastrations. The muscles of the jnw, neck, and upper part of the hack of the tetanic patient were, as they have always in his experience heen found in tstanus, while those of the limbs were perfectly quiescent and obedient to the will. A suddan touch on the face or any part of the body produced no spasm. The risus sar-

¹ Since the meeting of the society, Dr. Penny has most kindly axamined for me with great care, the brain and spins of n dog poisoned with strychaine, and has failed to discover the poison .- J. A. L.